

Rec'd PCT/PTO 07 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number
WO 2004/030871 A1

(51) International Patent Classification⁷: B25J 9/16,
9/18, 13/00, G05D 1/00

(21) International Application Number:
PCT/SE2003/001562

(22) International Filing Date: 7 October 2003 (07.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0202956-9 7 October 2002 (07.10.2002) SE

(71) Applicant (for all designated States except US): ABB RE-
SEARCH LTD [CH/CH]; Affolternstrasse 52, CH-8050
Zürich (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NIEMELÄ, Esko
[SE/SE]; Vilshultsv. 65, S-293 36 Olofsrörm (SE).
ÖBERG, Pierre [SE/SE]; Hedenhösvägen 3, S-723 53
Västerås (SE). KJELLSSON, Jimmy [SE/SE]; Klockar-
torpsgratan 25D, S-723 44 Västerås (SE). STRAND,

Martin [SE/SE]; Liljekonvaljv. 4, S-722 46 Västerås (SE).
GRÖNQVIST, Åsa [SE/SE]; Frövi 2, S-730 50 Skultuna
(SE). TASALA, Seija [SE/SE]; Kyrkog 4A, S-732 30
Arboga (SE).

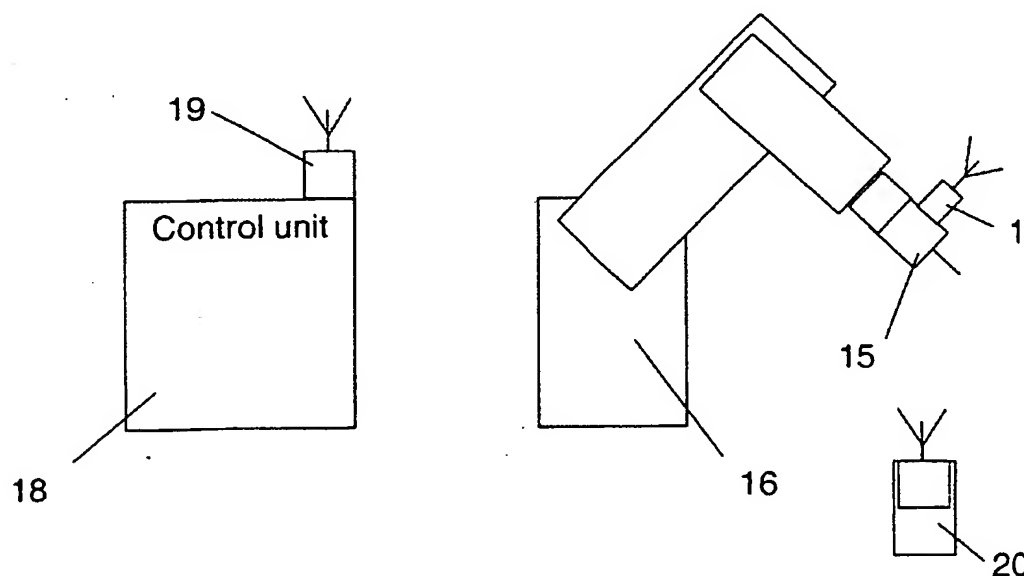
(74) Agent: ABB AB; Legal & Compliance/Intellectual Prop-
erty, S-721 78 Västerås (SE).

(81) Designated States (national): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, EG, ES, FI (utility model), FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (regional): ARIPO utility model (GH),
ARIPO patent (GH), ARIPO utility model (GM), ARIPO
patent (GM), ARIPO utility model (KE), ARIPO patent
(KE), ARIPO utility model (LS), ARIPO patent (LS),
ARIPO utility model (MW), ARIPO patent (MW), ARIPO

[Continued on next page]

(54) Title: A WIRELESS CONTROLLER AND A METHOD FOR WIRELESS CONTROL OF A DEVICE MOUNTED ON A
ROBOT



(57) Abstract: The invention concerns a wireless controller 1 for controlling and/or monitoring a device 15 arranged mounted on or relative to an industrial robot 16. The wireless controller comprises wireless communication means including a processor 6 arranged with software means for handling wireless communication to and from said device and control means 3 for carrying out at least one control function for one or more actuators of said device. In other aspects of the invention a method, a computer program and a graphic user interface are described.

WO 2004/030871 A1



utility model (MZ), ARIPO patent (MZ), ARIPO utility model (SD), ARIPO patent (SD), ARIPO utility model (SL), ARIPO patent (SL), ARIPO utility model (SZ), ARIPO patent (SZ), ARIPO utility model (TZ), ARIPO patent (TZ), ARIPO utility model (UG), ARIPO patent (UG), ARIPO utility model (ZM), ARIPO patent (ZM), ARIPO utility model (ZW), ARIPO patent (ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI,

SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.